

5    **WHAT IS CLAIMED IS:**

1. A process for preparing transparent Pigment Yellow 138 comprising:

(a) grinding Pigment Yellow 138 in the presence of a grinding agent;

(b) preparing an aqueous slurry of the ground pigment;

10    (c) filtering said slurry resulting in a filter cake containing particles of transparent Pigment Yellow 138.

2. The process of claim 1, wherein the grinding agent is an inorganic salt.

15    3. The process of claim 2, wherein the inorganic salt is selected from the group consisting of sodium chloride, sodium sulfate, calcium chloride, calcium sulfate, and combinations thereof.

4. The process of claim 3 wherein the inorganic salt is sodium chloride.

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5. The process of claim 1, wherein step (a) is carried out in the presence of a wetting agent.

6. The process of claim 5, wherein the wetting agent is a glycolic solvent.

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7. The process of claim 6, wherein the glycolic solvent is selected from the group consisting of ethylene glycol, diethylene glycol, propylene glycol, dipropylene glycol, polypropylene glycol, propylene carbonate, carbitol acetate.

30    8. The process of claim 1, wherein the grinding step (a) is at a temperature of about 50 to about 100°C.

9. The process of claim 8, wherein the grinding step (a) is at a temperature of about 80 to about 100°C.

- 5            10.    The process of claim 1, wherein the slurry is heated at a temperature of about 30 to 100°C.
11.    The process of claim 10 wherein the slurry is heated for a period of about 30 minutes to about 3 hours.
- 10           12.    The process of claim 1, wherein particles of said transparent Pigment Yellow 138 have a surface area of greater than about 50 m<sup>2</sup>/g.
13.    The process of claim 12, wherein said surface area is about 50 m<sup>2</sup>/g to  
15    about 100 m<sup>2</sup>/g.
14.    The process of claim 1, further comprising washing the filter cake with water and drying it at a temperature of about 50 to about 150°C.
- 20           15.    A process for improving color strength of an ink composition comprising adding transparent Pigment Yellow 138 to said ink composition.
16.    The process of claim 15, wherein a particle of said transparent Pigment Yellow 138 has a surface area of greater than about 50 m<sup>2</sup>/g.
- 25           17.    The process of claim 16, wherein said surface area is about 50 m<sup>2</sup>/g to about 100 m<sup>2</sup>/g.
18.    A process for improving color strength of a plastic composition comprising  
30    adding transparent Pigment Yellow 138 to said plastic composition.
19.    The process of claim 18, wherein a particle of said transparent Pigment Yellow 138 has a surface area of greater than about 50 m<sup>2</sup>/g.

5            20.    The process of claim 19, wherein said surface area is about 50 m<sup>2</sup>/g to  
about 100 m<sup>2</sup>/g.

             21.    Transparent Pigment Yellow 138 prepared according to the process of claim  
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